

**STUDY AND EVALUATION SCHEME FOR  
THREE YEARS (SIX SEMESTER) DIPLOMA COURSE IN TEXTILE ENGINEERING  
(To Be Effective From 2022-23 )**

**STUDY AND EVALUATION SCHEME FOR LATERAL AND ITI PASSED STUDENTS  
THREE YEARS (SIX SEMESTER) DIPLOMA COURSE IN TEXTILE ENGINEERING  
(To Be Effective From 2022-23 )**

III Semester

Curriculum							Scheme of Examination								
P E R I O D S P E R W E E K							T H E O R Y			P R A C T I C A L			G r a d e		
L e c t u r e	T u t o r i a l	D r a w i n g	L a b o r a t o r y	W o r k s h o p	T o t a l	S U B J E C T	Examination	Sess. Marks	Total Marks	Examination	Sess. Marks	Total Marks	Total		
al							Dur.	Marks		Dur.	Marks		al		
5	-	-	2	-	7	3.1 Electrical Technology & Electronics	2.5	50	20	70	3	40	20	60	130
6	-	-	4	-	10	3.2 Yarn Technology -I	2.5	50	20	70	3	40	20	60	130
6	-	-	4	-	10	3.3 Yarn Technology -II	2.5	50	20	70	--	40	20	60	130
6	-	-	4	-	10	3.4 Fabric Technology -I	2.5	50	20	70	--	40	20	60	130
6	-	-	4	-	10	3.5 Fabric Technology-II	2.5	50	20	70	--	40	20	60	130
29	-	-	18	-	47	<-----TOTAL----->	--	250	100	350	--	200	100	300	650
													Games/NCC/Social and Cultural Activity/Community Development+Discipline (15+10)	25	
													Aggregate	675	

A. COMPULSORY SUBJECT OF I & II SEMESTER TEXTILE TECHNOLOGY TO BE TAUGHT IN III & IV SEMESTER TO ITI PASSED STUDENTS OF TRADES ARE AS FOLLOWS :  
I. WEAVING TECHNICIAN II. TEXTILE WET PROCESSING TECHNICIAN

Curriculum							Scheme of Examination								
P E R I O D S P E R W E E K							T H E O R Y			P R A C T I C A L			G r a d e		
L e c t u r e	T u t o r i a l	D r a w i n g	L a b o r a t o r y	W o r k s h o p	T o t a l	S U B J E C T	Examination	Sess. Marks	Total Marks	Examination	Sess. Marks	Total Marks	Total		
al							Dur.	Marks		Dur.	Marks		al		
4	-	-	-	-	4	1.1 Foundational Communication (*)	2.5	50	--	50	-	--	-	--	50
3	1	-	-	-	4	1.2 Applied Mathematics-I(A) (*)	2.5	50	--	50	-	-	-	-	50
3	1	-	-	-	4	1.3 Applied Physics-I(*)	2.5	50	--	50	-	-	-	-	50
10	2	-	-	-	12	<-----TOTAL----->	--	150	--	150		--	-	--	150

NOTE:- (1) (\*) It is compulsory to appear & to pass in examination From III Semester To VI Semester, But marks will not be included for division and percentage of obtained marks.  
(2) (\*) Four Semester (Two Years) of Extra Time will be given after diploma curriculum period (If Required) to pass the above paper (1.1 To 1.3 and 2.1 to 2.3) examination (As Per G. O. No. 2221/16-Pra. Shi.-3-2009 Dated 28-08-2009) & Revised G.O. No. 2704/16-Pra.Shi.-3-2013-46(8)/2002 Dated 09-01-2013 and G.O. No. 9/2018/2182/Solaha-3-2017-46(08)/2020 Dated 16.01.2018 and B.T.E. G.O. No. Pra. Shi..Pa.C.D.C./2022/8583 Dated 09.09.2022

IV Semester

Curriculum							Scheme of Examination														
Periods Per Week							S U B J E C T														
							Theory					Practical					Grand				
							Examination					Examination					Total				
							Sess. Marks					Sess. Marks					Total				
							Dur. Marks					Dur. Marks					Total				
4	-	-	-	-	-	4	4.1	Functional Communicaton	2.5	50	20	70	-	-	-	-	-	-	-	-	70
4	-	-	-	-	-	4	4.1	Industrial Safety	2.5	50	20	70	-	-	-	-	-	-	-	-	70
4	2	-	6	-	-	12	4.2	Textile Testing	2.5	50	20	70	6	40	20	60	60	130			130
6	-	-	-	-	-	6	4.4	Textile Chemical Processing	2.5	50	20	70	-	-	-	-	-	-	-	-	70
4	2	-	4	-	-	10	4.5	Introduction To Knitting and Garment Technology	2.5	50	20	70	6	40	20	60	60	130			130
5	2	-	-	-	-	7	4.6	Computer Aided Design	2.5	50	20	70	-	-	-	-	-	-	-	-	70
3	-	-	2	-	-	5	4.7	Energy Conservation	2.5	50	20	70	3	20	10	30	30	100			100
30	6	-	12	-	-	48	<-----TOTAL----->						350	140	490	-	100	50	150	640	
													Games/NCC/Social and Cultural Activity/Community Development+Discipline (15+10)					25			
													Aggregate					665			

- NOTE:-
- (1) Each session will be of 16 weeks.
  - (2) Effective teaching will be at least 14 weeks.
  - (3) Remaining periods will be utilised for revision etc.
  - (4) 6 weeks structured and supervised, branch specific, task oriented industrial/field exposure to be organised after IV Semester. Student will submit a report. There will be 150 marks for this exposure. These marks will be awarded by project examiner in the VI Semester. (Examination marks :100, Sess. marks : 50 ). See Annexure - II.
  - (5) Field visit and extension lectures are to be organised and managed well in advance at institute level as per need.

B. COMPULSORY SUBJECT OF I & II SEMESTER TEXTILE TECHNOLOGY TO BE TAUGHT IN III & IV SEMESTER TO ITI PASSED STUDENTS OF TRADES ARE AS FOLLOWS :

I. WEAVING TECHNICIAN II. TEXTILE WET PROCESSING TECHNICIAN

Curriculum							Scheme of Examination														
Periods Per Week							S U B J E C T														
							Theory					Practical					Grand				
							Examination					Examination					Total				
							Sess. Marks					Sess. Marks					Total				
							Dur. Marks					Dur. Marks					Total				
3	1	-	-	-	-	4	2.1	Applied Mathematics-I(B) (*)	2.5	50	-	50	-	-	-	-	-	-	-	-	50
6	-	-	-	-	-	6	2.3	Applied Chemistry(*)	2.5	50	-	50	3	40	-	40	40	90			90
3	1	-	4	-	-	8	2.2	Applied Physics-II(*)	2.5	50	-	50	3	40	-	40	40	90			90
12	2	-	4	-	-	18	<-----TOTAL----->						150	-	150	-	80	-	80	230	

- NOTE:-
- (1) (\*) It is compulsory to appear & to pass in examination From III Semester To VI Semester, But marks will not be included for division and percentage of obtained marks.
  - (2) (\*) Four Semester (Two Years) of Extra Time will be given after diploma curriculum period (If Required) to pass the above paper (1.1 To 1.3 and 2.1 to 2.3) examination (As Per G. O. No. 2221/16-Pra. Shi.-3-2009 Dated 28-08-2009) & Revised G.O. No. 2704/16-Pra.Shi.-3-2013-46(8)/2002 Dated 09-01-2013 and G.O. No. 9/2018/2182/Solaha-3-2017-46(08)/2020 Dated 16.01.2018 and B.T.E. G.O. No. Pra. Shi..Pa.C.D.C./2022/8583 Dated 09.09.2022
  - (3) Each session will be of 16 weeks.
  - (4) Effective teaching will be at least 14 weeks.
  - (5) Remaining periods will be utilised for revision etc.
  - (6) 6 weeks structured and supervised, branch specific, task oriented industrial/field exposure to be organised after IV Semester. Student will submit a report. There will be 150 marks for this exposure. These marks will be awarded by project examiner in the VI Semester. (Examination marks :100, Sess. marks : 50 ). See Annexure - II.
  - (7) Field visit and extension lectures are to be organised and managed well in advance at institute level as per need.

V Semester

Curriculum						Scheme of Examination									
Periods Per Week						S U B J E C T	Theory				Practical			Gr- nd	
Le- c- al	Tut- ori- al	Dr- aw- ing	Lab- Shop	Work- al	Tot- al		Examination Dur.	Sess- Marks	Total Marks	Examination Dur.	Sess- Marks	Total Marks	Tot- al		
-	-	-	4	-	4	5.1 Integrative Communicaton	--	--	--	3	40	20	60	60	
6	2	-	-	-	8	5.2 Industrial Management & Entrepreneurship Development	2.5	50	20	70	--	--	--	70	
6	2	-	-	-	8	5.3 Fabric Structure & Analysis	2.5	50	20	70	--	--	--	70	
8	-	-	-	-	8	5.4 Yarn Technology-III	2.5	50	20	70	--	--	--	70	
8	-	-	-	-	8	5.5 Fabric Technology -III	2.5	50	20	70	--	--	--	70	
8	-	-	-	-	8	5.6 Technical Textile	2.5	50	20	70	--	--	--	70	
36	4	-	4	-	44	<-----TOTAL----->	--	250	100	350	--	40	20	60	410
													Games/NCC/Social and Cultural Activity/Community Development+Discipline (15+10)	25	
													Aggregate	435	

VI Semester

4	-	-	-	-	4	6.1 Environmental Education(*) & Disaster Management	2.5	50	--	--	--	--	--	--	
6	-	-	4	-	10	6.2 Advance Fabric Structure	2.5	50	20	70	6	40	20	60	130
8	4	-	-	-	12	6.3 Principle And Design of Spinning Machine	2.5	50	20	70	--	--	--	--	70
8	4	-	-	-	12	6.4 Principle And Design of Weaving Machine	2.5	50	20	70	--	--	--	--	70
-	-	-	-	8	8	6.5 Project	--	--	--	--	VIVA	100	50	150	150
-	-	-	-	-	-	6.6 Industrial Training-4 Week	--	--	--	--	VIVA	100	40	140	140
26	8	-	4	8	42	<-----TOTAL----->	--	150	60	210	--	240	100	350	560
													Games/NCC/Social and Cultural Activity/Community Development+Discipline (15+10)	25	
													Aggregate	585	